Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/10/2020 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123269	-2	2.18	123289	2.19
Blue	F	SSC	125000	124405	-1	1.79	125105	1.76
Blue	E	FITC	15892	15463	-3	2.87	335	20.91
Blue	D	PE	29999	29230	-3	1.99	637	15.33
Blue	B	PerCP-Cy5-5	43732	43541	-1	3.85	1170	21.05
Blue	A	PE-Cy7	30845	30516	-2	6.33	577	43.78
Red	C	APC	46112	45179	-3	2.52	1598	11.99
Red	A	APC-Cy7	30458	29612	-3	2.36	781	11.92
Violet	B	V450	7918	7578	-5	4.38	431	13.00
Violet	A	V500	32171	31026	-4	4.13	726	10.43

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17242	11.18	632	11	N/A	N/A	Pass
Blue	F	SSC	57200	1.32	575	16	N/A	N/A	Pass
Blue	E	FITC	61	65.51	550	7	0.0182	119	Pass
Blue	D	PE	133	51.01	556	8	0.1442	244	Pass
Blue	B	PerCP-Cy5-5	214	51.40	664	8	0.0084	51	Pass
Blue	A	PE-Cy7	104	107.64	706	8	0.0094	8	Pass
Red	C	APC	382	25.25	586	2	0.0255	192	Pass
Red	A	APC-Cy7	173	28.43	557	1	0.0056	877	Pass
Violet	B	V450	65	60.23	461	3	0.0552	2299	Pass
Violet	A	V500	108	32.17	477	3	0.0227	529	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.64	-32.13	1.02
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	16.51	13.60 - 20.40	N/A	N/A	29.40	30.05	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10403

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments